

Specifications: Brand Name or Equal

SEA WCM-2000, Multi-Element Water Content Sensor System or EQUAL

- Provides direct measurement of Cloud Liquid Water Content (LWC) and Total Water Content (TWC) in a single sensor-head unit
- Provides derived measurement of Cloud Ice Water Content (IWC)
- Includes two LWC sensors of different diameter to provide derived measurements Median Volume Diameter (MVD)
- Includes reference hot wire to obtain reference measurement for “dry air”
- Replaceable sensor elements
- Can be operated at zero airspeed without damaging hot wires or housing
- Operates on 28 vdc aircraft power
- Capable of measuring up to 10 g/m³ LWC at 100 m/s airspeed
- Airspeed range: 0 – 275 m/s
- Altitude range: 0 – 45,000 ft
- Has Ethernet/network data output, UDP/TCP.
- Has temperature-controlled deicing capability
- Demonstrated very low contamination, < 1%, of LWC measurement by ice crystals
- Sensor-head separated from control electronics so that sensor can be mounted on aircraft wing or fuselage surface
- Sensor power controller < 4” thick, capable of being mounted inside aircraft wing
- System controller mounts in aircraft cabin for easy operator access
- Data output rates: 1 – 10 Hz
- 30-day delivery after placement of order